Rolls-Royce Solutions GmbH
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Amazon Web Services
Project MXP109

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Date
24.06.2026

Confirmation of exhaust emissions

We hereby confirm that the following ***mtu*** diesel engines:

Engine:	20V4000G94F
Planned installation location:	MXP109 Data Center Zibido, Milan
Application group:	3D - ESP
Optimization dataset:	NEA

Engine:	16V2000G76F
Planned installation location:	MXP109 Data Center Zibido, Milan
Application group:	3D - ESP
Optimization dataset:	NEA

have been optimized to meet the "not to exceed" values at 5% residual oxygen, as shown in the following datasheet. The values are maintained with the help of an additional exhaust gas aftertreatment system (SCR system with integrated Oxi catalytic converter).

Please note that these data are physical and/or technical values that only refer to and depict a normatively defined operating condition. Any change in operating time and operating conditions affects the physical values and engine behavior, which must then be evaluated within the entire propulsion system for emission compliance and product safety.

The measurements listed in this EDS are representative of the engine data listed at the time of the test. These measurements and results can change depending on the instrumentation, boundary conditions and the specificity of the respective motor. In addition, changes to the hardware or software of the model family may affect some of the values listed.

Signed with NamirialSign

MATTEO BRUNO
01/07/2026 12:37:11 UTC+0200

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The measurement procedures for emissions are carried out in accordance with the applicable rules and standards in accordance with "emission level/optimisation". Possible deviations from these procedures are documented internally.
The emission values listed refer to the certification data on which they are based. The Seller assumes no responsibility or liability arising out of or in connection with the Contract or on any other basis

1. beyond these specified operating conditions of the engine
2. and for any installation/modification of the entire drive system by the customer himself or by third parties

and the Customer shall indemnify RRS upon request for claims by third parties or in connection therewith.

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i.V.

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Rolls-Royce Solutions GmbH
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Rolls-Royce Solutions GmbH
i.A. Christian Zittlau
Senior Manager, PSB Direct Sales, EMEA

Attachments:

- MXP109_Emission values SCR + Oxi for 20V4000G94F and 16V2000G76F

Project-Nr. MXP109
Date: 24.06.2026

Required Information	Information Provided By	Unit	Data Hall Generators	House Generator	Comments / *Kommentare*
General / ***Allgemein***					**This data was calculated on the basis of the official emissions data sheet (EDS). The general disclaimers in the EDS also apply to this data sheet**
Unique type designation - Manufacturer's model numbers for generator	RRS	N/A	***mtu* 20V4000G94F** NEA (max. 3090 kWm / 2800 kWe)	***mtu* 16V2000G76F** NEA (max. 979 kWm / 800 kWe)	
Planned emissions treatment equipment	RRS	N/A	SCR & Oxi Catalyst	SCR & Oxi Catalyst	
Type of fuel	RRS	N/A	**Diesel acc. to EN590**	**Diesel acc. to EN590**	
Maximum sulphur content of fuel	RRS	mg/kg	(15 mg/kg Diesel acc. EN590)	(15 mg/kg Diesel acc. EN590)	
Expected loads of the generators in emergency mode (kWe)	RRS	% of generator rated load	100% 2800 kWe	100% 800 kWe	
Expected power of the engines in emergency mode (kWm)	RRS	% of engine rated power	100% 3090 kWm	100% 979 kWm	
NOx emission concentration (5% O_2,"not to be exceeded") with SCR & Oxi-Cat	RRS	mg/Nm³	100	100	
PM emission concentration (5% O2, "not to be exceeded") without DPF	RRS	mg/Nm³	9,7	16,7	
CO emission concentration (5% O2,"not to be exceeded") with SCR & Oxi-Cat /	RRS	mg/Nm³	100	100	
NH3 emission concentration (5% O2,"not to be exceeded") with SCR & Oxi-Cat	RRS	mg/Nm³	5	5	Only relevant with SCR
SO2 emission concentration (5% O2, "not to be exceeded") (SO2 emissions depend on sulphur content on fuel)	RRS	mg/Nm³	0,7	0,7	

x = no measurement available

If necessary, other parameters will be requested during the course of work.